

27.080  
McDonnell Aircraft

JOHN ASHCROFT  
Governor

G. TRACY MEHAN III  
Director



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

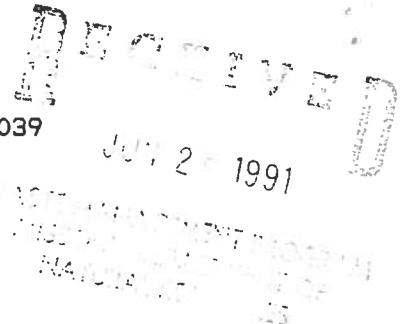
DIVISION OF ENVIRONMENTAL QUALITY

ST. LOUIS REGIONAL OFFICE  
10805 Sunset Office Drive, Suite 100  
St. Louis, MO 63127-1017  
314-822-0101  
Fax No. 314-822-0943

June 21, 1991

Joseph Haake  
McDonnell Aircraft Company  
Mail Code 0343530  
P.O. Box 516  
St. Louis, MO 63166-0516

L.O.W. #91-SL.039



Dear Mr. Haake:

Enclosed, please find a report of a hazardous waste management inspection conducted June 7, 1991 by Mr. Richard A. Barnes of my staff on McDonnell Aircraft Company Tract IV, Campus Parkway, St. Louis, Missouri.

Please note that the section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection, and outlines steps the inspector has determined will correct those violations.

In order to document that corrective actions have been taken, you are requested to submit a written response no later than July 22, 1991. The response should describe the steps taken to correct each of the unsatisfactory features identified. Please direct the response to Mr. Barnes. You should also forward a copy of your response and supporting documentation to Mr. Bruce Martin, Chief - Hazardous Waste Enforcement, Waste Management Program, P.O. Box 176, Jefferson City, MO 65102.

It is our purpose by this letter to persuade you to take all necessary actions to comply with the Missouri Hazardous Waste Management Law. Failure to achieve timely resolution of violations may result in the referral of this case for enforcement action by the Waste Management Program.

Should you have any questions, or wish to confer in this matter, please contact the St. Louis Regional Office at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck  
Regional Administrator

RSPE/RAB/sh

Enclosure

cc: Waste Management Program



R00136615  
RCRA RECORDS CENTER



RESOURCE CONSERVATION AND RECOVERY ACT  
AND  
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW  
COMPLIANCE EVALUATION INSPECTION REPORT

Facility

McDonnell Aircraft  
Tract IV, 5775 Campus Parkway  
Mail Code 0343530  
P.O. Box 516  
St. Louis, MO 63166-0516

EPA ID #: MOD000818971  
MO Generator ID: 01251

Participants

Department of Natural Resources

Richard A. Barnes  
Environmental Specialist  
St. Louis Regional Office

McDonnell Aircraft

Bob Kaatman and  
Joseph Haake  
Environmental Compliance

Introduction

An inspection of McDonnell Aircraft, Campus Parkway, located at the above address, was conducted on June 7, 1991, by Mr. Richard A. Barnes of the Department of Natural Resources. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Waste Management Law (1977) as amended. The inspection was confined to facets of the operation relevant to hazardous waste management.

Facility Description

McDonnell Aircraft, Tract IV, Campus Parkway, has 50 employees working where they may be involved in hazardous waste management. There are two shifts that usually work five days a week. McDonnell Aircraft has been in operation at this site for 15 years.

Tract IV includes 16 buildings (see attached list). There are fifteen buildings in Tract IV whose hazardous waste is accumulated in a covered storage area outside the manufacturing technology building (Building #276). The storage area is divided so that incompatible hazardous wastes can be separated. Fourteen of those fifteen buildings are office buildings that very rarely generate hazardous waste. The manufacturing technology building contains the prototype process line for research and development. They have a machine shop, chemical process facility, a robot paint room and a manually operated paint room. The sixteenth building in Tract IV is an office/warehouse building (Building #284). The hazardous waste from this location is from furniture refinishing. This building has its own waste storage area.

McDonnell Aircraft Tract IV Campus Parkway is a large quantity generator of hazardous waste. The hazardous waste streams generated by the facility are:

1. Waste cutting oil (D098) generated in the machine shop of building #276. Approximately 3,520 pounds are generated per month.
2. Waste paint related solid with chromium (D007). This waste stream is generated during clean up in the robot paint room and the manual paint room of building #276 and in the refinishing paint booths of building #284. The paint related solids are accumulated in 30 gallon drums. The full satellite storage containers in building #276 are transferred to 55 gallon drums and taken to the containment area outside of building #276. The full satellite storage containers in building #284 are placed in special dumpsters used only for waste paint related solid. These dumpsters are then picked up by the transporter. While most of the paint related wastes are water based and not hazardous, they may be mixed with paint waste from aircraft painting which contains chromium. Therefore, all waste paint related solids are treated as hazardous. Approximately 2,760 pounds are generated per month.
3. Waste paint related liquid (F003, F005, D001, D007, D035). This waste comes from a variety of different painting operations, primarily in the two paint shops in building #276. This waste solvent is collected in 55 gallon satellite storage drums. When full, these drums are taken to the hazardous waste containment area outside building #276. Approximately 1,600 pounds are generated per month.
4. Waste Nitric Acid (D002) 7,200 pounds.
5. Waste Chromic Acid (D002, D006, D007) 15,120 pounds
6. Waste Hydrochloric Acid (D002) 656 pounds
7. Waste Corrosive Solid (Ferrous Chloride) (D002) 2,384 pounds.

Waste stream numbers 4, 5, 6 and 7 are generated in the prototype chemical processing line of building #276. Wastes are only generated when a processing tank is cleaned out. Each tank has been cleaned out once this year (see attached manifest). Hazardous waste manifests are attached. All hazardous waste generated in Tract IV is transported by McDonnell Aircraft to their treatment, storage and disposal facility under another hazardous waste identification number.

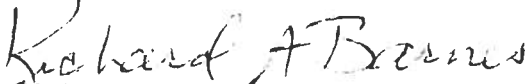
#### Unsatisfactory Features

1. Unmarked containers of hazardous waste in the satellite accumulation area, in violation of 10 CSR 25-5.262(2)(C)3. The 30 gallon satellite accumulation drums used for solvent and paint soaked rags were not marked or dated. The facility must mark the containers either with the words "hazardous waste" or with other words that identify the content of the containers and the beginning date of satellite storage.

2. No documented inspections of the hazardous waste storage area, in violation of 10 CSR 25-5.262(1) referencing 40 CFR 262.34(a)(1) further referencing 40 CFR 263.174. McDonnell Aircraft did not have an established periodic inspection program for the hazardous waste storage area outside building #276. The facility must inspect areas where containers are stored, at least weekly, looking for leaks and deterioration caused by corrosion and other factors.

Should you have any questions regarding this report, please contact the St. Louis Regional Office.

Prepared by:



Richard A. Barnes  
Environmental Specialist  
St. Louis Regional Office

RAB/sh

## LARGE QUANTITY GENERATOR CHECKLIST

Form LOG-INSP  
(10-15-88)

Name of Facility: McDONNELL DOUGLAS TRACT IV Date: 6-7-91  
 Address: 5775 CAMPUS PARKWAY Other Inspections Done: RR      TRANS      LDR       
ST LOUIS MO 63166 OTHER       
 Phone: (314) 232 3319 MO ID# 01251 EPA ID# MOD000818971  
 Facility Representative: JOE HAAKE Title: SECTION MGR. WASTE MANAGEMENT

Briefly describe manufacturing process(es). (Use continuation sheet, if needed.)

MACHINING, PAINTING, PLATING, STRIPPING, from  
a prototype process facility and painting  
with refinishing of furniture.

List of wastes generated. (Use continuation sheet, if needed.)

Waste	Amount/Month	Disposition
1. <u>waste cutting oil</u>	<u>3520 P</u>	<u>Fuel Blending</u>
2. <u>waste paint solids</u>	<u>2760 P</u>	<u>Incineration</u>
3. <u>waste paint liquids</u>	<u>1600 P</u>	<u>Fuel Blending</u>
4. <u>waste acid</u>	<u>22,976 P</u>	<u>Incineration</u>
5. <u>waste corrosive</u>	<u>2,384 P</u>	<u>Incineration</u>

## A. MANIFESTS AND RECORDKEEPING 10 CSR 25-5.262(2) AND 5.262(2)(B) AND (D)

Generator's MO and EPA I.D. Numbers.       
 Manifest document number (MO I.D. & Shipment #).       
 EPA Waste I.D. codes       
 Generator's name, address, phone #       
 All Transporters' names, phone #'s, MO and EPA I.D. #'s.       
 Designated facility name, address, phone # and MO and EPA I.D. #       
 Proper DOT Shipping Name, Hazard Class and I.D. #       
 Containers, Quantity and Unit Wt/Vol being shipped properly designated       
 Proper certification including waste minimization.       
 Manifest properly signed and dated       
 No more than 10 days time between generator and facility signatures.       
 Manifests returned within 35 days.       
 If not, exception generator report submitted within 45 days.       
 Completed manifests and Summary Manifest Report and Certification.       
 Spills of reportable quantities reported to DNR.     

## B. PRETRANSPORT, CONTAINERIZATION AND LABELING 10 CSR 25-5.262(2) AND 5.262(2)(C)1

Waste Packaged, marked and labeled per DOT during entire on-site storage period and prior to transport.     Placards available for use by transporters     Satellite accumulation requirements met (if applicable).     

- a. Stored in satellite areas less than 1 year.
- b. Containers marked identifying contents and beginning date
- c. Containers kept closed/compatible/good condition.
- d. Quantities accumulated not exceeding 55 gal. (1 qt. acutely hz. waste).

## C. STORAGE STANDARDS 10 CSR 25-5.262(2) AND 5.262(2)(C)2 AND 3

Facility inspected and maintained.     Date of accumulation marked.     Storage less than 90 days (unless small quantity generator).     

## D. CONTAINER STORAGE 10 CSR 25-5.262(2) AND 5.262(2)(C)2

Containers in good condition     Containers kept closed in storage.     Containers storing incompatible waste separated or protected from each other.     Containers of ignitable or reactive waste stored > 50 feet from property line     Containers stored within a containment system (if applicable) meeting criteria of 10 CSR 25-5.262(2)(C)2.B.

E. STORAGE TANKS 10 CSR 25-5.262(1) AND 5.262(1)(C) AND (D)  
(See tank check list)

N/A

F. PERSONNEL TRAINING 10 CSR 25-5.262(2)

Documentation of hazardous waste director's qualifications or training. ✓  
Completed classroom or on-the-job training. ✓  
Job title, description, and name of person filling position. ✓  
Written record of the type and amount of training given. ✓  
Documentation confirming that training has been given. ✓

G. PREPAREDNESS AND PREVENTION 10 CSR 25-5.262(1) AND 5.262(1)(C) AND (D).

Internal communication or alarm system. ✓  
Device in the hazardous waste operation area capable of summoning emergency assistance. ✓  
Fire control, spill control, and decontamination equipment available. ✓  
Adequate water supply for fire control equipment. ✓  
Adequate and proper safety equipment available. ✓  
Adequate aisle space. ✓  
Arrangements with local emergency agencies. ✓

H. CONTINGENCY PLAN AND EMERGENCY PROCEDURES 10 CSR 25-5.262(2)

Contingency Plan. ✓  
Detailed description of procedures that personnel must implement to respond to fires, explosions, or releases of hazardous waste. ✓  
Describe formal arrangements with emergency agencies. ✓  
Name, addresses, and phone numbers (home & office) of emergency coordinators. ✓  
Emergency equipment including its description and location. ✓  
Evacuation plan if applicable. ✓

I. WASTE OIL 10 CSR 25-11.010

Written waste oil contract maintained. ✓  
Waste oil properly stored and transported. ✓

COMMENTS:

Inspector Signature & Title:

Office:

Richard A. Barnes  
SCRO

IN COMPLIANCE

IN VIOLATION OR  
ABSENT

✓

✓

# TRACT IV Building list

Appendix "E" Chart I (Cont'd)  
REAL PROPERTY IDENTIFICATION

NO: CP 4.003  
PAGE 3 of 4  
DATE: 14 Apr 87

NO.	NAME	NO.	NAME
240	Warehouse, 6667 Jonas Place, Berkeley, Mo.	(11) 279	Office Building 975 Hornet Drive, St. Louis County, Mo
245	Tooling Facility, 8900 Frost, Berkeley, Mo.	(12) 280	Office Building, 600 James S. McDonnell Blvd., St. Louis County, MO.
248	Office/Warehouse, 6709 Frost Industrial Lane, Berkeley, Mo.	(13)**281	Office Building, 5757 Phantom Drive, St. Louis, County, Mo.
250	Receiving Building, 6951 N. Hanley Rd., Hazelwood, Mo.	(14) 283	Office/Warehouse, 5463 Phantom Drive, St. Louis County, Mo.
251	Shipping Building, 6951 N. Hanley Rd., Hazelwood, Mo.	(15) 284	Office/Warehouse, 5445 Phantom Drive, St. Louis County, Mo.
252	Avionic Laboratories Building, 7045 N. Hanley Rd., Hazelwood, Mo.	(16)**287	Office Building, 900 Hornet Drive St. Louis County, Mo.
269	Office Building, 944 Anglum Drive, St. Louis County, Mo.	300	Cafeteria Building
(1) 270	Office Building,* 5775 Campus Parkway, St. Louis County, Mo.	301	Office Building
(2) 271	Office Building, 5651 Phantom Dr., St. Louis County, Mo.	302	Office Building
(3) 272	Medical Development Building, 595 Anglum Rd., St. Louis County, Mo.	303	Office Building
(4) 272A	Storage Building, 5615 Anglum Court, St. Louis County, Mo.	304	Office Building
(5) 273	Office Building, 1020 Anglum Rd., St. Louis County, Mo.	305	Office Building
(6) 274	Human Resources Building, 5695 Campus Parkway, St. Louis, Mo.	306	Computer Support Building
(7) 275	Duplicating Building, 560 Anglum Rd., St. Louis County, Mo.	307	Computer Operations Building
(8) 276	Manufacturing Technology Building, 5547 Phantom Dr., St. Louis County, Mo.	310	Energy Center
(9) 277	Office Building, 951 Hornet Dr., St. Louis County, Mo.	311	Electric Sub Station
(10) 278	Office Building, 5531 Phantom Dr., St. Louis County, Mo.	312	Storage Tank (Fire Protection)
		327	Office Building, 414-460 James S. McDonnell Blvd., Hazelwood, Mo.
		NOTE:	400 Series reserved for TI-CO.
		500	Manufacturing Building, 2600 No. 3rd St., St. Charles, Mo.
		505	Engineering Laboratory, 2600 No. 3rd St., St. Charles, Mo.
		506	Office Building, 2600 No. 3rd St., St. Charles, Mo.
		508	Printed Wire Board Assembly, 2600 No. 3rd St., St. Charles, Mo.
		509	Incinerator, 2600 No. 3rd St., St. Charles, Mo.
		520	Storage Building, 2600 No. 3rd St., St. Charles, Mo.

INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET.

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality  
Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102  
314-751-3176

EMERGENCY RESPONSE  
U.S. COAST GUARD  
1-800-424-6802  
CHEM TREC  
1-800-424-6300  
DEPT. OF NATURAL RESOU-  
314-634-2438

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved: OMB No. 2060-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded area is required by State law.	
3. Generator's Name and Mailing Address		4. Generator's Phone (314) 232-3319				
McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0801300, St. Louis, Missouri 63166		5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number MO D O U 0 8 1 6 9 7 1 0 1 2 3		
7. Transporter 2 Company Name None		8. US EPA ID Number				
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, Missouri 63145		10. US EPA ID Number MO D O U 0 8 1 6 9 7 1 0 1 2 3				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol.	
a. Waste Emulsified Cutting Oil (not DOT regulated)		ZEP		650	G	
b. RQ = 10 lbs. Hazardous Waste, Solid, N.O.S. (Contains Paint-related Material) GRM-E NA9189 (DCCB)		SPM		10	Y	
c.						
d.						
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency Contact: (314) 232-2285						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name Edmond D. Hickey		Signature Edmond D. Hickey		Month Day Year 10/25/91		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Pete Garina		Signature Pete Garina		Month Day Year 10/23/91
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Edmond D. Hickey		Signature Edmond D. Hickey		Month Day Year 10/25/91		



INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET.

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

EMERGENCY RESPONSE

U.S. COAST GUARD

1-800-424-6802

CHEM TREC

1-800-424-6300

DEPT. OF NATURAL RESOURCES  
314-834-2438

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address: McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		4. Generator's Phone: (314) 232-3319				
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number MO00000318963				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard 63145 St. Louis County, Missouri XXXXX		10. US EPA ID Number MO00000318963				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol.	
a. Waste Emulsified Cutting Oil (not DOT regulated)		302 T.P.		00690	G	
b. RQ = 10 lbs. Hazardous waste, solid, H.U.S. (Contains paint-related material) ORM-F NA9189 (D007)		005 C.M.		03450	P	
c. RQ Waste <del>Corrosive liquid</del> (D002)		003		00055	G	
Corrosive material UN1263 (D001)		010 P.M.		00500	G	
Flammable liquid UN1263 (D001)						
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to XXXXX generator." Missouri Document 001251-0124 Emergency contact: 314-232-2235						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name Annette C. Wagner		Signature Annette C. Wagner		Month Day Year 10/31/91		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature E.J. SHAW		Date 3/12/92		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
19. Discrepancy Indication Space Item C tested to be water - deleted from manifest (ACW) 4-11-91						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Annette C. Wagner		Signature Annette C. Wagner		Month Day Year 10/31/91		

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS

#### Division of Environmental Quality

# HAZARDOUS WASTE MANIFEST

**EMERGENCY RESPONSE**  
**U.S. COAST GUARD**  
**1-800-424-8802**  
**CHEM TREC**  
**1-800-424-9300**  
**DEPT. OF NATURAL RESOURCES**  
**314-834-2438**

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address		4. Generator's Phone ( )		5. Transporter 1 Company Name	
McDonnell Douglas Corporation - St. Louis		314 232-3319		Missouri 63106	
6. US EPA ID Number		7. Transporter 2 Company Name		8. US EPA ID Number	
McDonnell Douglas Corporation		None			
9. Designated Facility Name and Site Address		10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	
McDonnell Douglas Corporation				12. Containers	
140 McDonnell Boulevard				13. Total Quantity	
St. Louis County, Missouri 63145				14. Unit Wt/Vol.	
a. RQ = 10 lbs. Waste paint-related material		b. Waste CRUIER, NOS (Paint related)		c. Waste. Corrosive Sol. I, NCS	
Flammable liquid UN1263 (F003, F005, D001, D007, D035)		d. Hazardous waste liquid NOS		e. Waste CRUIER, NOS (Paint related)	
1. 900		2. 1000		3. 1000	
4. 1000		5. 1000		6. 1000	
7. 1000		8. 1000		9. 1000	
10. 1000		11. 1000		12. 1000	
13. 1000		14. 1000		15. 1000	
16. 1000		17. 1000		18. 1000	
19. 1000		20. 1000		21. 1000	
22. 1000		23. 1000		24. 1000	
25. 1000		26. 1000		27. 1000	
28. 1000		29. 1000		30. 1000	
31. 1000		32. 1000		33. 1000	
34. 1000		35. 1000		36. 1000	
37. 1000		38. 1000		39. 1000	
40. 1000		41. 1000		42. 1000	
43. 1000		44. 1000		45. 1000	
46. 1000		47. 1000		48. 1000	
49. 1000		50. 1000		51. 1000	
52. 1000		53. 1000		54. 1000	
55. 1000		56. 1000		57. 1000	
58. 1000		59. 1000		60. 1000	
61. 1000		62. 1000		63. 1000	
64. 1000		65. 1000		66. 1000	
67. 1000		68. 1000		69. 1000	
70. 1000		71. 1000		72. 1000	
73. 1000		74. 1000		75. 1000	
76. 1000		77. 1000		78. 1000	
79. 1000		80. 1000		81. 1000	
82. 1000		83. 1000		84. 1000	
85. 1000		86. 1000		87. 1000	
88. 1000		89. 1000		90. 1000	
91. 1000		92. 1000		93. 1000	
94. 1000		95. 1000		96. 1000	
97. 1000		98. 1000		99. 1000	
100. 1000		101. 1000		102. 1000	
103. 1000		104. 1000		105. 1000	
106. 1000		107. 1000		108. 1000	
109. 1000		110. 1000		111. 1000	
112. 1000		113. 1000		114. 1000	
115. 1000		116. 1000		117. 1000	
118. 1000		119. 1000		120. 1000	
121. 1000		122. 1000		123. 1000	
124. 1000		125. 1000		126. 1000	
127. 1000		128. 1000		129. 1000	
130. 1000		131. 1000		132. 1000	
133. 1000		134. 1000		135. 1000	
136. 1000		137. 1000		138. 1000	
139. 1000		140. 1000		141. 1000	
142. 1000		143. 1000		144. 1000	
145. 1000		146. 1000		147. 1000	
148. 1000		149. 1000		150. 1000	
151. 1000		152. 1000		153. 1000	
154. 1000		155. 1000		156. 1000	
157. 1000		158. 1000		159. 1000	
160. 1000		161. 1000		162. 1000	
163. 1000		164. 1000		165. 1000	
166. 1000		167. 1000		168. 1000	
169. 1000		170. 1000		171. 1000	
172. 1000		173. 1000		174. 1000	
175. 1000		176. 1000		177. 1000	
178. 1000		179. 1000		180. 1000	
181. 1000		182. 1000		183. 1000	
184. 1000		185. 1000		186. 1000	
187. 1000		188. 1000		189. 1000	
190. 1000		191. 1000		192. 1000	
193. 1000		194. 1000		195. 1000	
196					

INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET.

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality  
Waste Management Program  
P.O. Box 176 Jefferson City, Missouri 65102  
314-751-3178

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE  
U.S. COAST GUARD  
1-800-424-8802  
CHEM TREC  
1-800-424-9300  
DEPT. OF NATURAL RESOURCES  
314-534-2438

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MO000081897	Manifest Document No. 00126	2. Page 1 of 1	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 6343530, St. Louis, Missouri 63150					
4. Generator's Phone (314) 232-1319					
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number MO0000818963			
7. Transporter 2 Company Name None		8. US EPA ID Number			
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, Missouri 63145		10. US EPA ID Number MO00000318963			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ = 10 lbs. Hazardous Waste, Solid, N.O.S. (Contains paint-related material) ORM-E NA9189 (0007)		12. Containers 3 DM		13. Total Quantity 6 yds	14. Unit W/Vol.
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document 001251-0126 Emergency Contact: 314-232-2235					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name Edward D. Hick		Signature [Signature]		Month Day Year 03 20 91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Richard G. Gysse SR		Signature [Signature]		Month Day Year 03 20 91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Edward D. Hick		Signature [Signature]		Month Day Year 03 20 91	

INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET.

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

# MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102  
314-751-3176

## HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE

U.S. COAST GUARD

1-800-424-8802

CHEM TREC

1-800-424-8300

DEPT. OF NATURAL RESOURCES  
314-834-2438

Please print or type. (Form designed for use on 12-pitch typewriter.)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M0D000818971	Manifest Document No. 00128	2. Page 1 of 1	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		4. Generator's Phone (314) 232-3319		A. Material Name and Quantity 0.03 2070 B. EPA Hazardous Waste ID C. EPA Hazardous Waste Code D. EPA Hazardous Waste Name E. EPA Hazardous Waste Class F. EPA Hazardous Waste Subclass G. EPA Hazardous Waste Subcategory H. EPA Hazardous Waste Subcategory	
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number M0D000818963		7. Transporter 2 Company Name None	
8. US EPA ID Number		9. Designated Facility Name and Site Address McDonnell Douglas Corporation - 140 McDonnell Boulevard St. Louis, Missouri 63145		10. US EPA ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ = 10 lbs. Hazardous waste, solid, N.O.S. (contains paint-related material) ORM-F NA9189 (D007) b. RQ = 100 lbs. Waste Hydrochloric Acid Corrosive material UN1789 (D002) c. RQ = 10 lbs. waste paint-related material Flammable liquid UN1263 F003/F005/D001/D007/D018/D035 d.		12. Containers 0.03 C.M.		13. Total Quantity 2070 14. Unit P	
J. Additional Description for Materials Listed Above		K. Handling Codes for Wastes Listed Above		EPA WASTE CODE	
a. MO ID 0.38 specific gravity 0.4		b. MO ID 0.16 specific gravity 1.0		c. MO ID 0.43 specific gravity 0.9 also F005/D001/D007/D018/D035	
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document 001251-0128 Emergency contact: 314-232-2285		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.		Printed/Typed Name Annette C. Wagner Signature Annette C. Wagner Month Day Year 04/25/91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name R.M. Stogsdill Signature R.M. Stogsdill Month Day Year 3/27/91		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year		19. Discrepancy Indication Space	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Annette C. Wagner Signature Annette C. Wagner Month Day Year 04/25/91					



INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET.

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
Division of Environmental Quality  
Waste Management Program  
P.O. Box 176 Jefferson City, Missouri 65102  
314-751-3176

# HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE  
U.S. COAST GUARD  
1-800-424-8802  
CHEMTREC  
1-800-424-9300  
DEPT. OF NATURAL RESOURCES  
314-634-2436

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		A. Missouri Manifest Document Number 0 0 1 2 5 1 0 1 2 7		
4. Generator's Phone ( 314 ) 232-3319		5. Transporter 1 Company Name McDonnell Douglas Corporation		B. State Generator's ID - other 001251		
6. US EPA ID Number M 0 0 0 0 0 8 1 8 9 7 1		7. Transporter 2 Company Name None		C. MO. Transporter's ID H-1039		
8. US EPA ID Number		9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, Missouri 63166		D. Transporter's Phone 314-232-9327		
10. US EPA ID Number M 0 0 0 0 0 8 1 8 9 6 3		E. MO. Transporter's ID		F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		G. State Facility's ID MOD000818963		
a. RQ = 10 lbs. <del>XXX</del> Hazardous Waste Solid, N.O.S. (contains paint-related material) ORM-E <del>XXXX</del> NA9189 (D007)		13. Total Quantity 2 CM		H. Facility's Phone 314-232-3319		
b.		14. Unit Wt/Vol 4 yd		I. Waste No. D 0 0 7		
c.				EPA WASTE CODE		
d.				EPA WASTE CODE		
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
a. MO ID 038						
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document 001251-0127 Emergency <del>XXXX</del> contact: 314-232-2285						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name Edmund A. Wickey		Signature [Signature]		Month Day Year 04 03 91		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name R. MICHAEL STOGSDILL		Signature [Signature]		
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month Day Year		

COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED

INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET.  
THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
Division of Environmental Quality  
Waste Management Program  
P.O. Box 176 Jefferson City, Missouri 65102  
314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE  
U.S. COAST GUARD  
1-800-424-8822  
CHEM TREC  
1-800-424-9300  
DEPT. OF NATURAL RESOURCES  
314-634-2436

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M 0 0 0 0 0 8 1 8 9 7 1 0 0 1 2 9	Manifest Document No. 0 0 1 2 9	2. Page 1 of 1	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166			A. Material Description (Name) 0 0 1 2 9		
4. Generator's Phone (314) 232-3319			B. State 001251		
5. Transporter 1 Company Name McDonnell Douglas Corporation			C. Material Description (Name) NAME R-103		
6. US EPA ID Number MOD000818963			D. Material Description (Name) 314-232-9327		
7. Transporter 2 Company Name None			E. Material Description (Name)		
8. US EPA ID Number			F. Transporter 2 Phone		
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, MO 63145			G. State Permit No. MOD000818963		
10. US EPA ID Number M 0 0 0 0 0 8 1 8 9 6 3			H. Facility Name		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol.
a. RQ = 10 lbs. Hazardous Waste, Solid, N.O.S. (contains paint-related material) URN-E NA9189 (D007)			2 C.M.	4 Y	EPA WASTE CODE D 0 0 0
b. RQ = 10 lbs. Waste paint-related material Flammable liquid UN1263 F003/F005/D001/D007/D018/D035			1 D.M.	50 G	EPA WASTE CODE E 0 0 0
c. R.O. WASTE Hydrochloric Acid CORROSIVE MATERIAL UN1789 D002			1 D.M.	50 G	EPA WASTE CODE D 0 0 0
d.					EPA WASTE CODE
J. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above		
b. also F005/D001/D007/D018/D035			038		
c. MOTOR OIL			043		
d.					
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency contact: 314-232-2285					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name Edmond D. Huey			Signature Edmond D. Huey		Month Day Year 10/16/91
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name James W. Cory			Signature James W. Cory		Date 10/16/91
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Date
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name			Signature		Date

GENERATOR

TRANSPORTER

FACILITY

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS.

**314-751-3176**

# HAZARDOUS WASTE MANIFEST

**EMERGENCY RESPONSE**  
**U.S. COAST GUARD**  
**1-800-424-8802**  
**CHEM TREC**  
**1-800-424-9300**  
**DEPT. OF NATURAL RESOUR**  
**314-634-2436**

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <div style="font-family: monospace; font-size: small;">M 0 D 0 0 0 8 1 8 9 7 1 0 0 1 3 0</div>		Manifest Document No.		2. Page of 1		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address <b>McDonnell Douglas Corporation - St. Louis</b> <b>P.O. Box 516, MC 0343530, St. Louis, Missouri 63166</b>				A. Manifest Number <b>001251</b>		B. Date <b>05/29/91</b>			
4. Generator's Phone ( 314 ) 232-3319				C. Manifest Title <b>HAZARDOUS WASTE</b>		D. Transporter's Phone <b>314-232-9327</b>			
5. Transporter 1 Company Name <b>McDonnell Douglas Corporation</b>				6. US EPA ID Number <b>M 0 D 0 0 0 8 1 8 9 6 3</b>		E. Manifest Title <b>HAZARDOUS WASTE</b>			
7. Transporter 2 Company Name <b>None</b>				8. US EPA ID Number		F. Transporter's Name <b>McDonnell Douglas Corporation</b>			
9. Designated Facility Name and Site Address <b>McDonnell Douglas Corporation</b> <b>140 McDonnell Blvd.</b> <b>St. Louis, MO 63145</b>				10. US EPA ID Number <b>M 0 D 0 0 0 8 1 8 9 6 3</b>		G. Storage Location <b>Building 100</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol.	
a. RQ = 10 lbs. waste Nitric Acid, 40% or less Corrosive material, NA1760 (D002/D007/D010)				12 D.M.		600 G		EPA WASTE CODE D002, D007, D010	
b. R.D. - WASTE CORROSIVE LIQUID, N.O.S. Chem Acid CORROSIVE MATERIAL UN1760 (D002, D006, D007)				14 D.M.		700 G		EPA WASTE CODE D002, D006, D007	
c. EMULSIFIED CUTTING OIL NON-REGULATED				1 TP		340 G		EPA WASTE CODE N/A	
d.								EPA WASTE CODE	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
a. MQ ID 003 also D007/D010									
b. MQ ID 013 also D006 D007									
c.									
d.									
15. Special Handling Instructions and Additional Information <div style="border: 1px solid black; padding: 5px;">XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX "If unable to deliver to designated TSD facility, return to generator." Emergency contact: 314-232-2285</div>									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.									
Printed/Typed Name <b>Edmond D. Hickory</b>				Signature <i>Edmond D. Hickory</i>				Month Day Year <b>05/29/91</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>HARRY KEEPS</b>				Signature <i>Harry Keeps</i>				Date <b>05/29/91</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Date	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19									